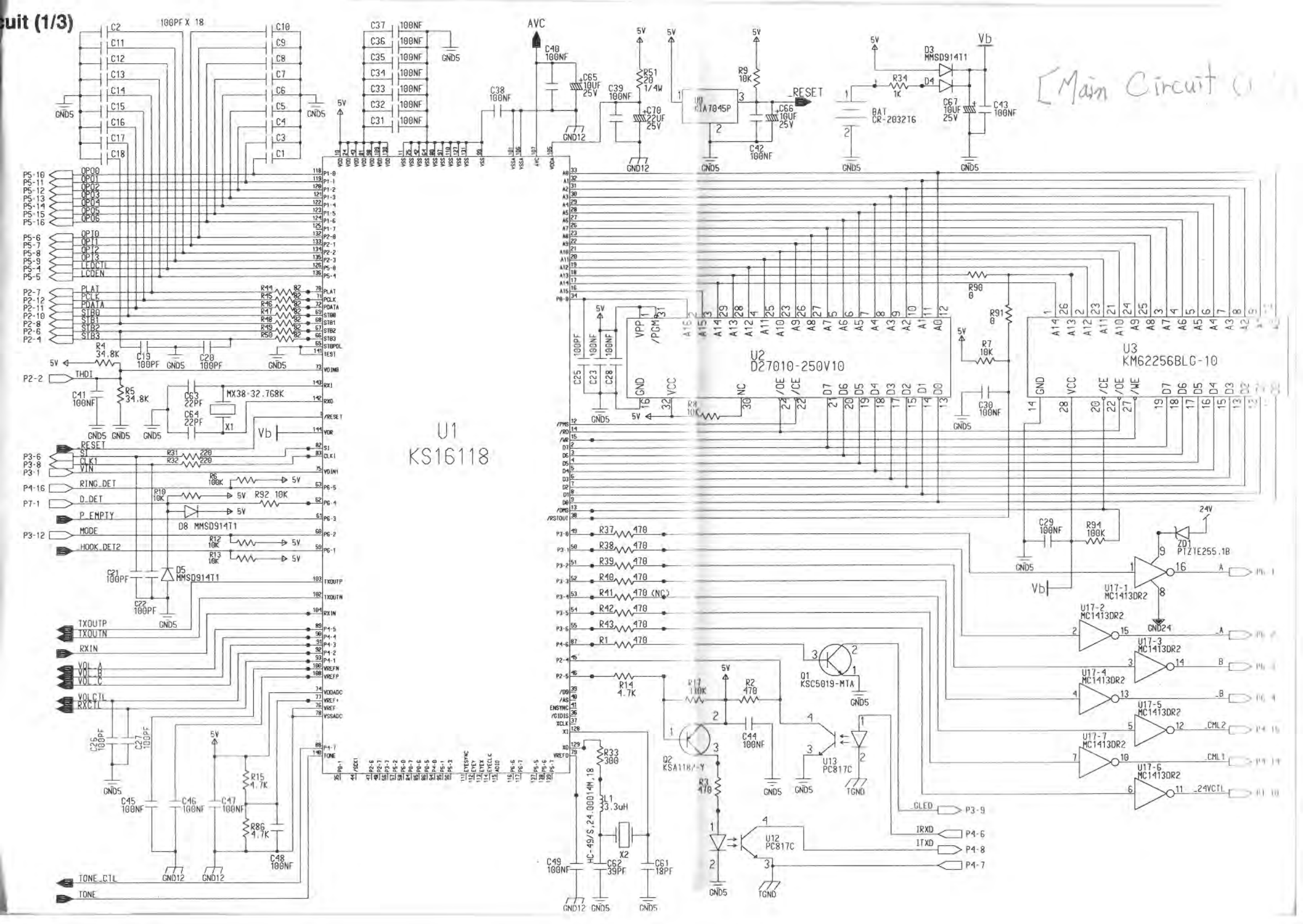
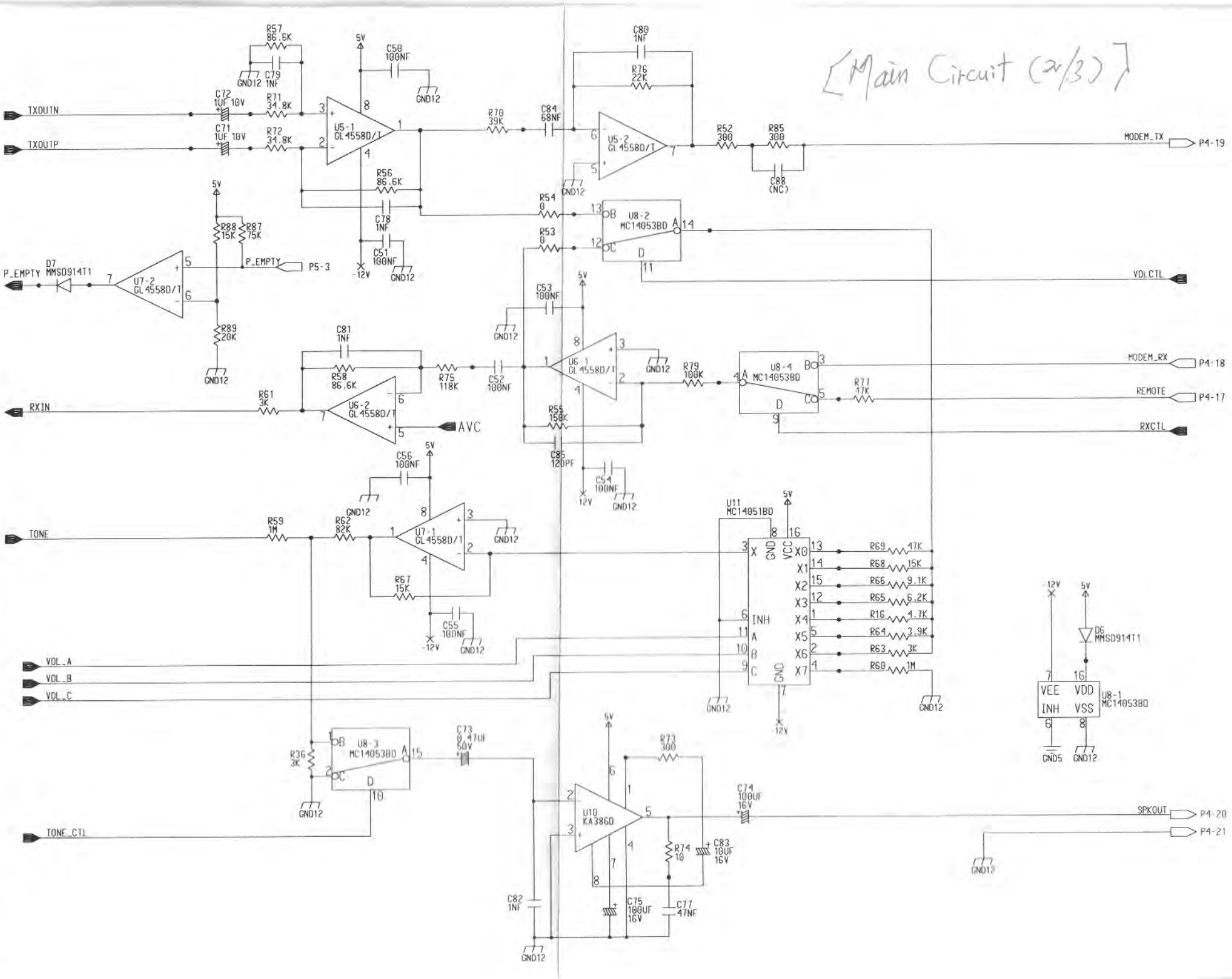
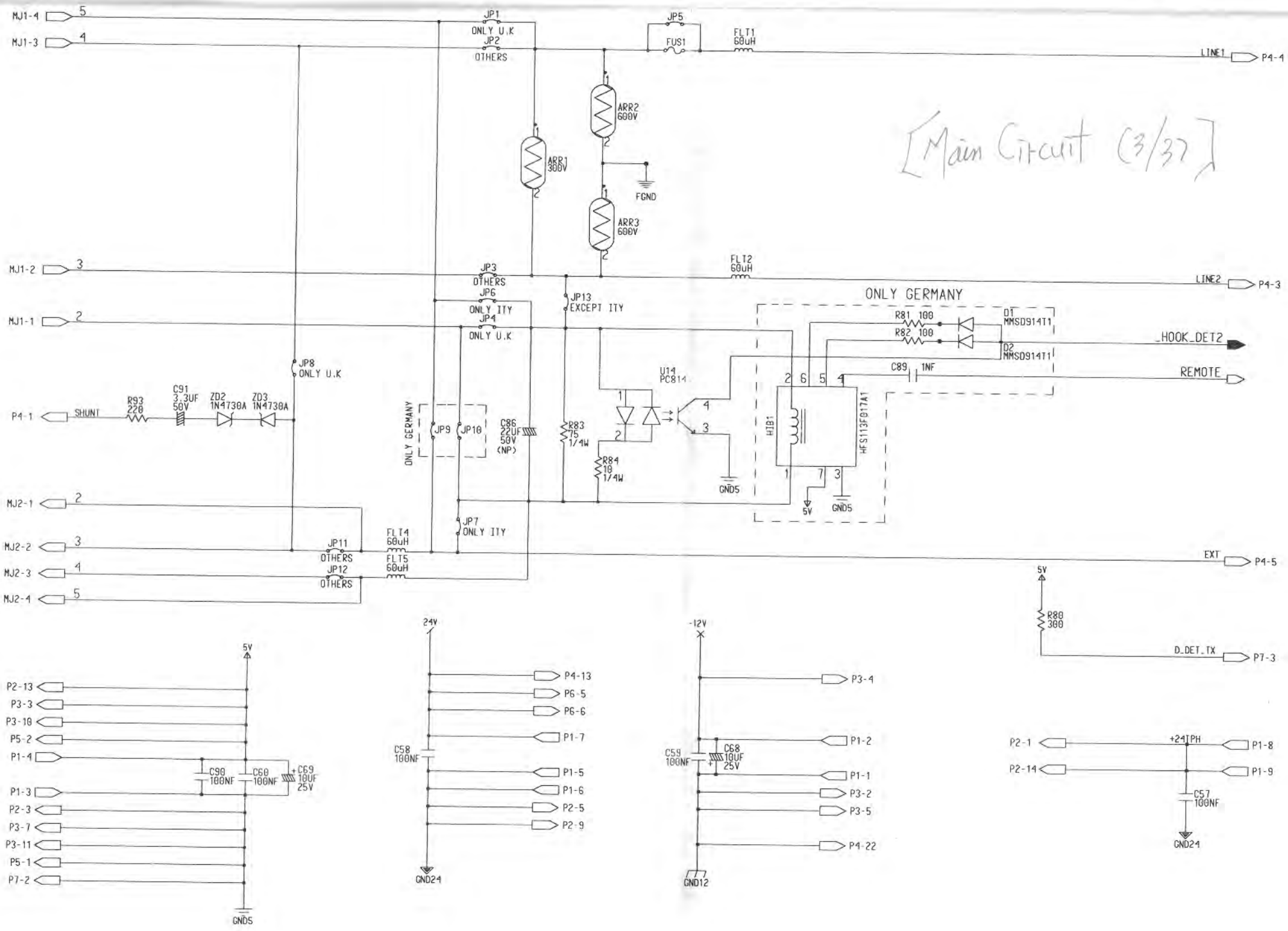
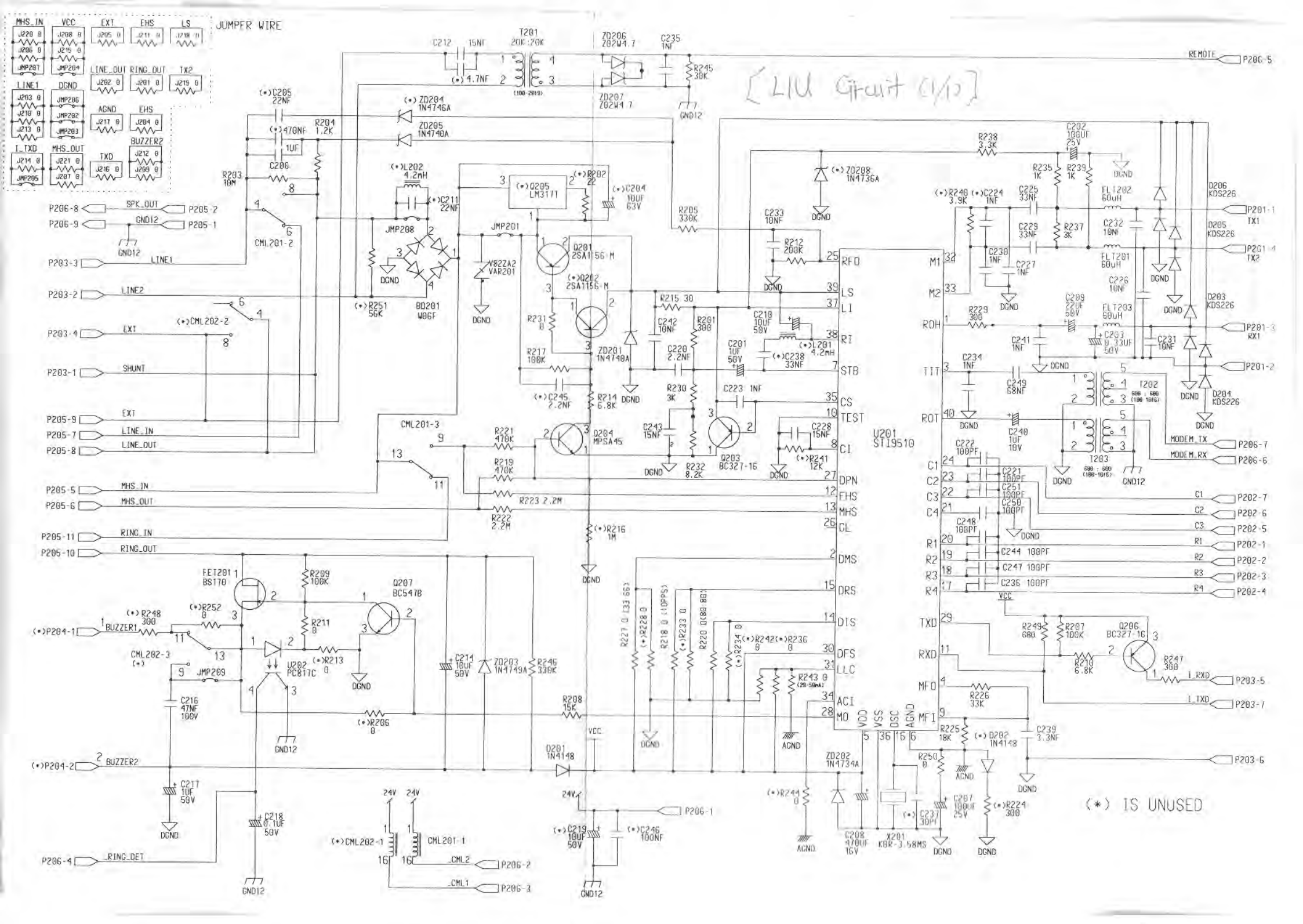
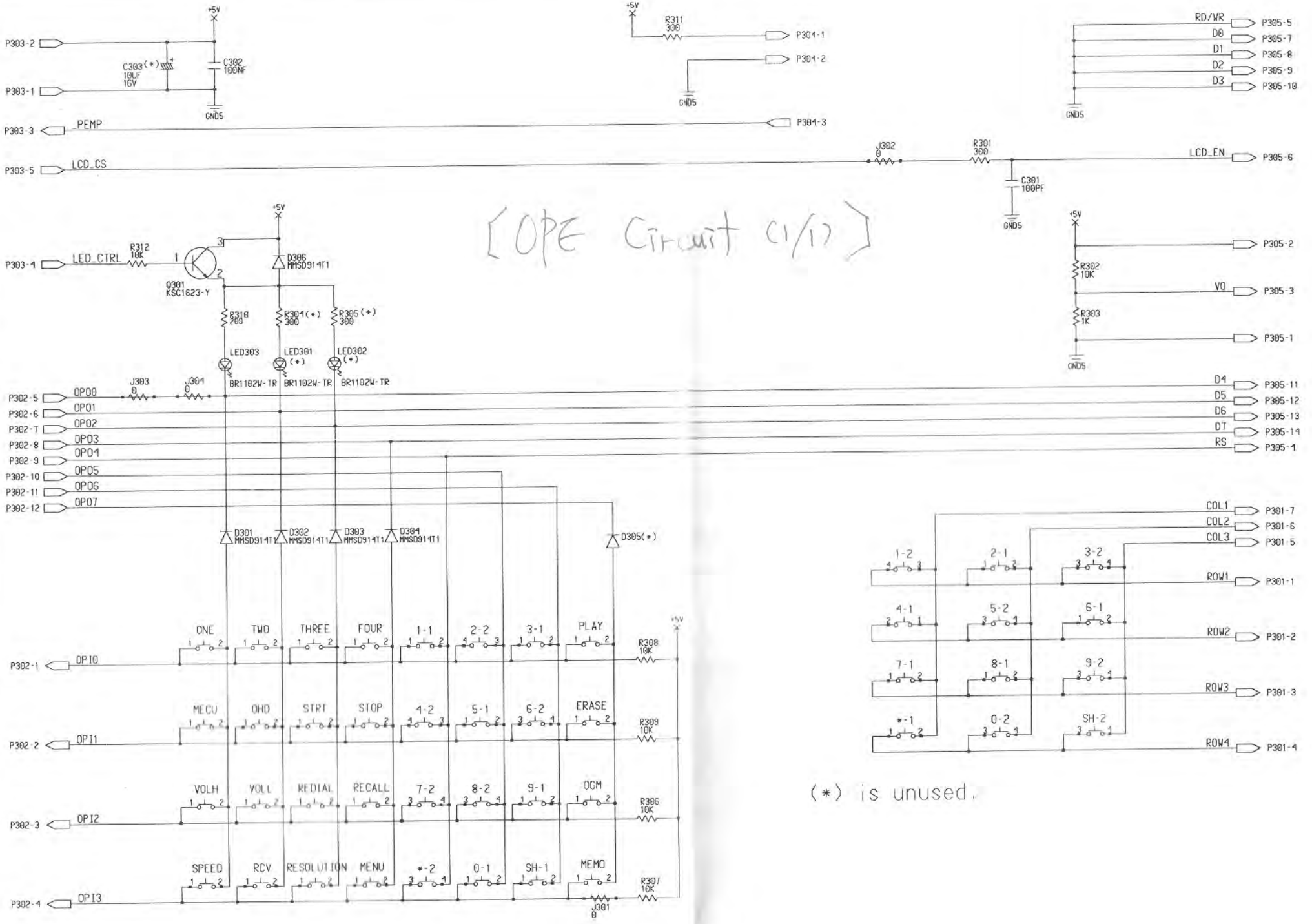

[Main Circuit (1/3)
U1
KS16118
U2
D27010-250V10
U3
KM62256BLG-10
U0
KIA7045P
U17-1
MC1413DR2
U17-2
MC1413DR2
U17-3
MC1413DR2
U17-4
MC1413DR2
U17-5
MC1413DR2
U17-7
MC1413DR2
U17-6
MC1413DR2
U12
PC817C
U13
PC817C
Q1
KSC5019-MTA
Q2
KSA1187-Y
D3
MMSD914T1
D4
D8
D5
ZD1
PTZTE255.1B
BAT
CR-203216
X1
X2
HC-49/S.24.000014M.18
L1
33.3uH
MX38-32.768K
100PF X 18
AVC
Vb
5V
GND5
GND12
GND24
-RESET
TXOUTP
TXOUTN
RXIN
VOL_A
VOL_B
VOL_C
VOLCTL
RXCTL
TONE_CTL
TONE
IRXD
ITXD
GLED
_24VCTL
_CML2
_CML1
_A
_B


[Main Circuit (2/3)]
TXOUTN
TXOUTP
R57 86.6K
C79 1NF
C72 1UF 10V
C71 1UF 10V
R71 34.8K
R72 34.8K
U5-1 GL4558D/T
C50 100NF
R56 86.6K
C78 1NF
C51 100NF
R70 39K
C84 68NF
C89 1NF
R76 22K
U5-2 GL4558D/T
R52 300
R85 300
C88 (NC)
MODEM_TX
P4-19
R54 0
R53 0
U8-2 MC14053BD
VOLCTL
P_EMPTY
D7 MMSD914T1
U7-2 GL4558D/T
R88 15K
R87 75K
P_EMPTY
P5-3
R89 20K
C53 100NF
C81 1NF
R58 86.6K
R75 118K
C52 100NF
U6-1 GL4558D/T
R79 100K
U8-4 MC14053BD
R77 47K
MODEM_RX
P4-18
REMOTE
P4-17
RXCTL
RXIN
R61 3K
U6-2 GL4558D/T
AVC
R55 150K
C85 120PF
C54 100NF
C56 100NF
TONE
R59 1M
R62 82K
U7-1 GL4558D/T
R67 15K
C55 100NF
U11 MC14051BD
R69 47K
R68 15K
R66 9.1K
R65 6.2K
R16 4.7K
R64 3.9K
R63 3K
R60 1M
VOL_A
VOL_B
VOL_C
U8-3 MC14053BD
R36 3K
C73 0.47UF 50V
R73 300
U10 KA386D
C74 100UF 16V
R74 10
C83 10UF 16V
C82 1NF
C75 100UF 16V
C77 47NF
SPKOUT
P4-20
P4-21
TONE_CTL
D6 MMSD914T1
U8-1 MC14053BD
VEE
VDD
INH
VSS
GND5
GND12
GND17



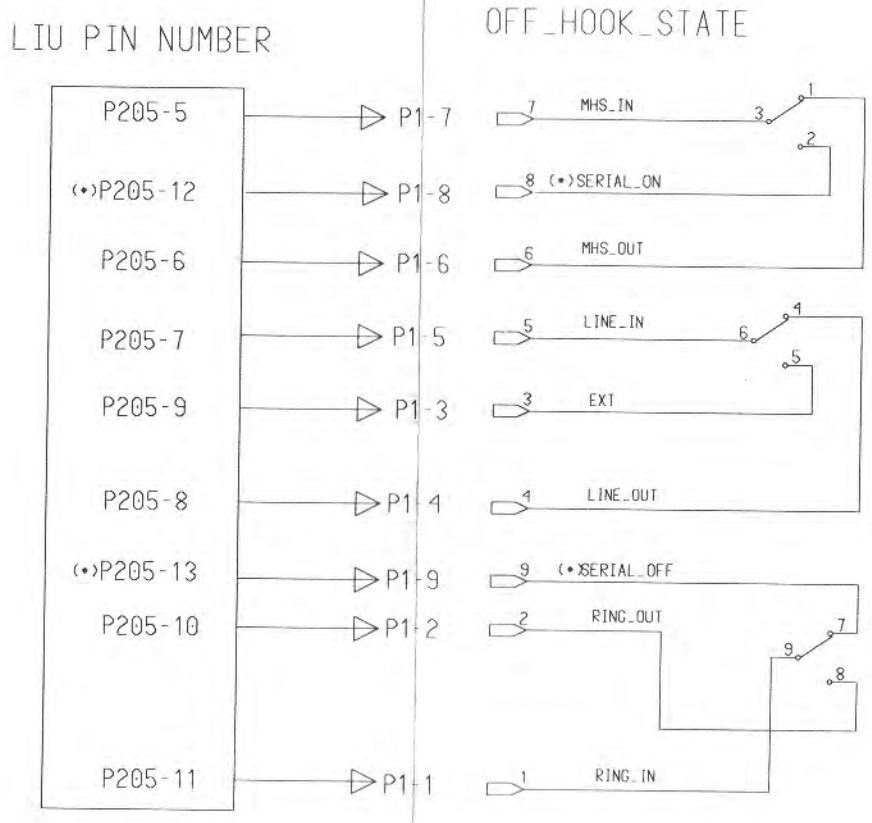
[Main Circuit (3/37)]

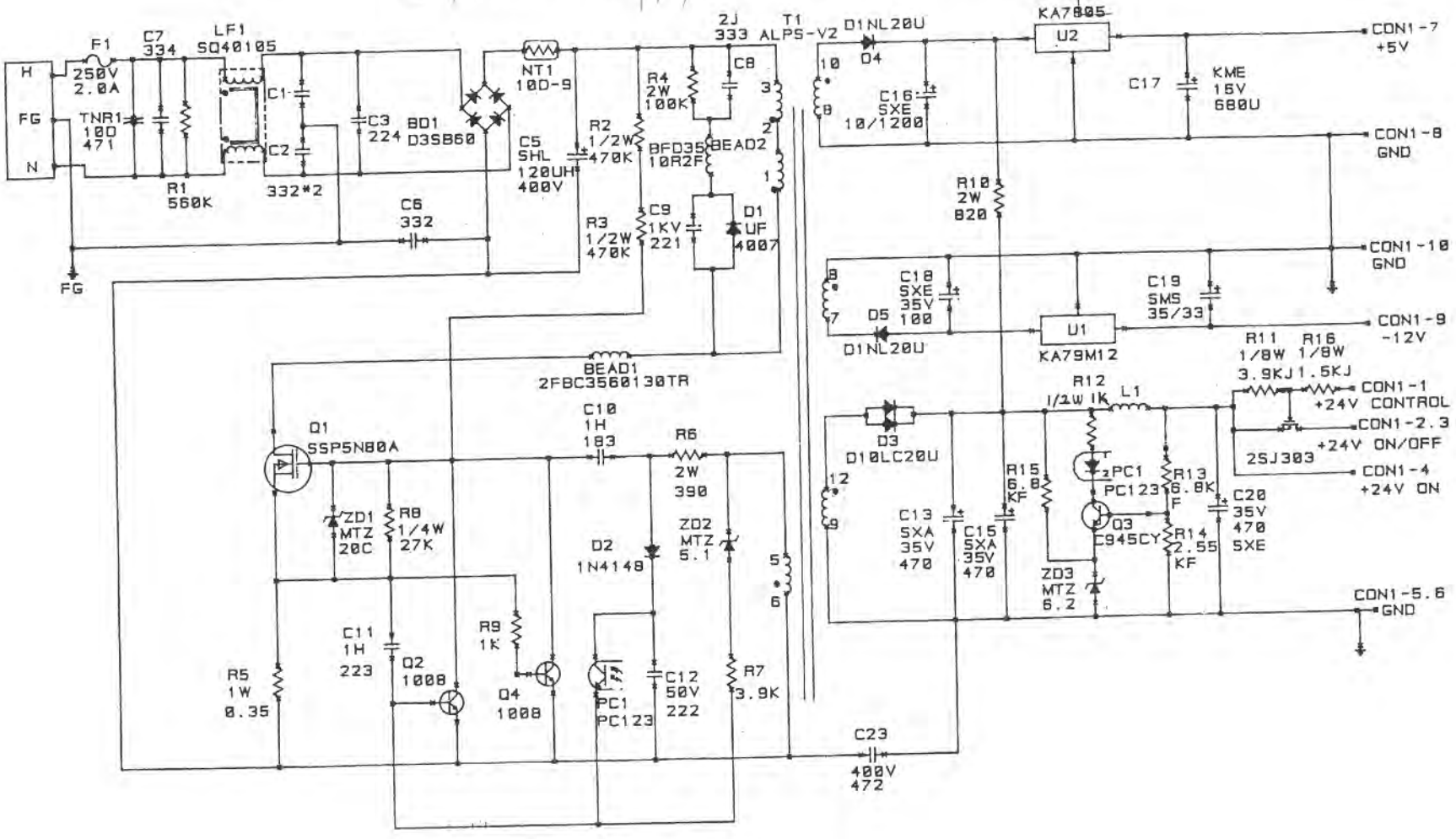

JUMPER WIRE
MHS_IN
VCC
EXT
EHS
LS
LINE_OUT
RING_OUT
TX2
LINE1
DGND
AGND
BUZZER2
T_TXD
MHS_OUT
TXD
U201 ST19510
U202 PC817C
Q201 2SA1156-M
Q202 2SA1156-M
Q203 BC327-16
Q204 MPSA45
Q205 LM317T
Q206 BC327-16
Q207 BC547B
FET201 BS170
T201 20K:20K
T202
T203
X201 KBR-3.58MS
REMOTE
SPK_OUT
GND12
LINE1
LINE2
EXT
SHUNT
MHS_IN
MHS_OUT
RING_IN
RING_OUT
RING_DET
BUZZER1
BUZZER2
CML201-2
CML202-2
CML201-3
CML202-3
CML201-1
CML202-1
_CML2
_CML1
MODEM_TX
MODEM_RX
I_RXD
I_TXD
VCC
24V
[LIU Grait (1/1)]
(*) IS UNUSED


[OPE Circuit (1/1)]
P303-2
P303-1
P303-3
P303-5
P303-4
P302-5
P302-6
P302-7
P302-8
P302-9
P302-10
P302-11
P302-12
P302-1
P302-2
P302-3
P302-4
+5V
GND5
C303(*) 10UF 16V
C302 100NF
_PEMP
LCD_CS
LED_CTRL
R312 10K
Q301 KSC1623-Y
R310 300
R304(*) 300
R305(*) 300
LED303
LED301 (*)
LED302 (*)
BR1102W-TR
J303 0
J304 0
OP00
OP01
OP02
OP03
OP04
OP05
OP06
OP07
OP10
OP11
OP12
OP13
D306 MMSD914T1
D301 MMSD914T1
D302 MMSD914T1
D303 MMSD914T1
D304 MMSD914T1
D305(*)
ONE
TWO
THREE
FOUR
1-1
2-2
3-1
PLAY
MECU
OHD
STRT
STOP
4-2
5-1
6-2
ERASE
VOLH
VOLL
REDIAL
RECALL
7-2
8-2
9-1
OCM
SPEED
RCV
RESOLUTION
MENU
*-2
0-1
SH-1
MEMO
R308 10K
R309 10K
R306 10K
R307 10K
J301 0
R311 300
P304-1
P304-2
P304-3
J302 0
R301 300
C301 100PF
LCD_EN
P305-6
RD/WR
D0
D1
D2
D3
P305-5
P305-7
P305-8
P305-9
P305-10
R302 10K
R303 1K
VO
P305-2
P305-3
P305-1
D4
D5
D6
D7
RS
P305-11
P305-12
P305-13
P305-14
P305-4
COL1
COL2
COL3
ROW1
ROW2
ROW3
ROW4
P301-7
P301-6
P301-5
P301-1
P301-2
P301-3
P301-4
1-2
2-1
3-2
4-1
5-2
6-1
7-1
8-1
9-2
*-1
0-2
SH-2

(*) is unused.

[Hook Circuit (1/1)]



(*) IS FOR ITALY

[Power Supply Circuit (1/1)]